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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Gaurav Mittal

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EXAMINER

VUONG, QUOCHIE B

ART UNIT

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/918,394	<b>Applicant(s)</b> MITTAL, GAURAV	
	<b>Examiner</b> Quochien B. Vuong	<b>Art Unit</b> 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 19 December 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 2-4, 7-11, 14, 15, 19-22 and 24-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-4, 7-11, 14, 15, 19-22 and 24-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 2-4, 7-11, 14, 15, 19-22, and 24-29 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The Applicant cites page 11, lines 4-8 and page 6, lines 7-8 of the specification for supporting the added limitation “establishing a direct data call connection directly with the mobile station ***independent of an input from a user of the mobile station***” in claims 21, 24, 26, and 28. However, page 6, lines 7-8 of the specification states that “The mobile station, responsive to detection of the download-parameter request signal, initiates a data message request to initiate a data connection between the mobile station and the server...”, which does not mention anything about the user of the mobile station and therefore does not rule out any involvement of the user and does not explicitly support the claimed limitation. The canceled claim 23 did recite “a data call initiator embodied at the mobile station and operable ***responsive to detection of acceptance by the mobile station of the data-request message, said data call***”

Art Unit: 2618

***initiator for initiating a data connection with the network node to download the first mobile-station operational parameter***” which requires the involvement of the user before initiating a data connection with the mobile station.

For the reasons above, the examiner assumes that the new matter is removed from claims 21, 24, 26, and 28; and the following rejections are still applied.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 7-11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 7-11 recites the limitation "The node-device apparatus" in claim 7, line 1. There is insufficient antecedent basis for this limitation in the claim.

In addition, claim 7 depends on canceled claim 23, which makes claims 7-11 indefinite.

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2-4, 7-11, 14, 15, 19-22, and 24-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Vanttila et al. (US 5,794,142) in view of Hansson (U.S. 6,023,620).

Regarding claims 21 and 24, Vanttila (figure 2) discloses an apparatus and method for a network node of a radio communication system having a network part to which the network node is coupled, mobile-station operational parameters available for downloading stored at the network node, said apparatus for facilitating downloading of at least a first mobile-station operational parameter, said apparatus comprising: a network-positioned download parameter initiation signal generator that generates an initiation signal that initiates a request for downloading of the first mobile-station operational parameter (see column 3, lines 9-21; column 7, lines 53-57); and a network-positioned data call connector operable responsive to acceptance of the request initiated by the initiation signal generated by said network-positioned download parameter initiation signal generator, said network-positioned data call connector for establishing a data call connection with the mobile station, the data call connection, once formed, for downloading the at least the first mobile-station operational parameter, the first mobile-station operational parameter being repeatedly used pursuant to subsequent communications (column 5, lines 13-24; and column 7, lines 53-67).

Vanttila et al. do not specifically disclose the data download with the data connection directly between the mobile station and the server. However, Hansson discloses after receiving a response from a mobile station, the server downloading data to the mobile station through a data connection directly between the mobile station and the server

Art Unit: 2618

(column 3, line 61 – column 4, line 11). Therefore, it would have been obvious for one having ordinary skill in the art at the time the invention was made to adapt the teaching of Hansson to the data call initiator of Vanttila et al. for directly downloading the revising value from the server to the mobile station without using the SMS as an option for one to select how to downloading the data from the server to the mobile station (as suggested by Hansson, column 4, lines 7-26).

As to claims 22 and 25, Vanttila et al. disclose the apparatus and method further comprising a download-parameter request signal generator to which the initiation signal is delivered, said download-parameter request signal generator for generating a data-message request that forms the request for downloading (see column 3, lines 9-21; column 5, lines 13-24; column 7, lines 53-63; and figure 5).

As to claims 2 and 14, Vanttila et al. disclose that the radio communication system provides for SMS (Short Message Service) message communication, wherein the data message service center comprises an SMS service center, and wherein the download-parameter request signal generator is positioned at the SMS service center (see column 3, lines 56-65).

As to claim 3, Vanttila et al. disclose that the data-message request generated by the download-parameter request signal generator comprises an SMS message for communication to the mobile station center (see column 3, lines 52-57; and figure 2).

As to claims 4 and 15, Vanttila et al. disclose a data message request detector coupled to receive indications of the data message request generated by the download-parameter request signal generator, the data message request detector for

Art Unit: 2618

detecting the data message request requesting the initiating of the downloading (see column 3, lines 9-21, 52-57).

As to claim 7, Vanttila et al. disclose an operational parameter value provider (figure 2, 36a) coupled to the data call connector, the operational parameter value provider for providing the value of the at least the first operational parameter to the mobile station subsequent to completion of the data call between the node-device and the mobile station (see column 7, lines 60-64; also see column 6; lines 33-35).

As to claim 8, Vanttila et al. and Hansson disclose the apparatus of claim 7 above; in addition, Hansson discloses a data call status reporter operable at least responsive to successful downloading of the value of the at least the first operational parameter provided to the mobile station by the operational parameter value provider to report the successful downloading of the value to the mobile station (see column 3, lines 5-24; column 4, lines 50-54).

As to claims 9 and 19, Hansson discloses that the data call status reporter further determines whether the downloading of the value of the at least the first operational parameter to the mobile station is successful (see column 3, lines 5-24; column 4, lines 50-54).

As to claims 10 and 20, Hansson discloses that the data call connector further terminates the data call connection subsequent to the report made by the data call status reporter (see column 4, lines 50-54).

As to claim 11, Vanttila et al. disclose authenticating the mobile station prior to completion of the data call between the node-device and the mobile station (see column 6, lines 25-32).

Regarding claims 26 and 28, Vanttila (figure 2) discloses an apparatus and method for facilitating downloading of at least a first mobile-station operational parameter in a radio communication system, said apparatus comprising a network part comprising: a download parameter initiation signal generator for generating an initiation signal that initiates a request for downloading of the first mobile-station operational parameter (see column 3, lines 9-21; column 7, lines 53-57); and a data call connector responsive to acceptance of the request initiated by the initiation signal generated by said download parameter initiation signal generator, said data call connector for establishing a data call connection in order to download the at least the first mobile-station operational parameter to the mobile-station for repeated use by the mobile-station during subsequent communications; and a network node comprising a download-parameter request signal generator for receiving the initiation signal, said download-parameter request signal generator for transmitting a data-message request to the mobile-station to notify the mobile-station that at least the first mobile-station operational parameter is available upon request for downloading (column 5, lines 13-24; and column 7, lines 53-67). Vanttila et al. do not specifically disclose the data download with the data connection directly between the mobile station and the server. However, Hansson discloses after receiving a response from a mobile station, the server downloading data to the mobile station through a data connection directly between the

Art Unit: 2618

mobile station and the server (column 3, line 61 – column 4, line 11). Therefore, it would have been obvious for one having ordinary skill in the art at the time the invention was made to adapt the teaching of Hansson to the data call connector of Vanttila et al. for directly downloading the revising value from the server to the mobile station without using the SMS as an option for one to select how to downloading the data from the server to the mobile station (as suggested by Hansson, column 4, lines 7-26).

As to claims 27 and 29, Vanttila et al. disclose wherein said download-parameter request signal generator is configured to transmit the data-message request as a Short Message Service (SMS) message to the mobile-station (see column 3, lines 56-65).

### ***Response to Arguments***

7. Applicant's arguments filed 12/19/2007 have been fully considered but they are not persuasive.

Regarding claims 21, 24, 26, and 28, Applicant argues that Vanttila et al. and Hansson fail to disclose “establishing a direct data call connection directly with the mobile station independent of an input from a user of the mobile station”. However, since that limitation introduces new matter and is rejected under 35 U.S.C. 112, first paragraph (see rejection above).

In addition, Applicant argues that Vanttila et al. and Hansson fail to disclose “the first mobile-station operational parameter being repeatedly used pursuant to subsequent communications.” The examiner, however, does not agree with the Applicant. Applicant's attention is directed to Vanttila et al. (column 5, lines 13-24) which

Art Unit: 2618

clearly disclose the claimed limitation. Since page 3, lines 3-5 of the present specification states that "Various of such upgrades, and other revisions, require changes to be made in the operational parameters pursuant to which a mobile station operable in a cellular system operates." And Vantila et al. disclose software update for the mobile station, and the new feature menu will be repeatedly used pursuant to subsequent communications. Therefore, Vantila et al. reference still reads on the claimed feature. Further, Hansson also disclose that feature (see Hansson, column 3, lines 25-39, and column 4, lines 5-26).

### ***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quochien B. Vuong whose telephone number is (571) 272-7902. The examiner can normally be reached on M-F 9:30-18:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Quochien B Vuong/  
Primary Examiner, Art Unit 2618